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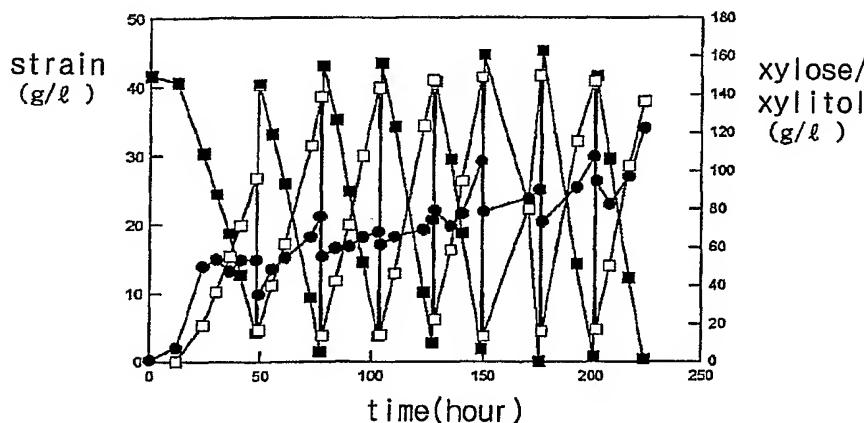
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(54) Title: METHOD FOR PREPARING XYLITOL WITH HIGH YIELD USING RECYCLING MICROORGANISM



WO 2005/054444 A1  $H_3BO_3$ , 1-100 mg/l of  $FeSO_4 \cdot 7H_2O$ , 0.1-10 mg/l of ascorbic acid, 1-100 mg/l of biotin, 1-100 mg of choline, 1-200 mg/l of folic acid, 1-100 mg/l of inositol, 1-100 mg/l of nicotinic acid, 0.1-10 mg/l of *p*-aminobenzoic acid, 1-100 mg/l of pantothenic acid, 0.1-10 mg/l of pyridoxine, 10-1,000 mg/l of riboflavin, and 1-100 mg/l of thiamine.

(57) Abstract: Provided is a process for continuously producing xylitol in high yield and productivity using a vacuum microfiltration bioreactor containing a fermentation medium for a strain of the genus *Candida*, which includes: 5 300 g/l of xylose, 1 10 g/l of urea, 1 10 g/l of potassium diphosphate, 0.01 1 g/l of magnesium sulfate, 0.1-10 mg/l of  $MnSO_4 \cdot 4H_2O$ , 0.1 10 mg/l of  $CoCl_2 \cdot 6H_2O$ , 0.1 10 mg/l of  $NaMoO_4 \cdot 2H_2O$ , 0.1 10 mg/l of  $ZnSO_4 \cdot 7H_2O$ , 0.1 10 mg/l of  $AlCl_3 \cdot 6H_2O$ , 0.1 10 mg/l of  $CuCl_2 \cdot 2H_2O$ , 0.01-5 mg/l of